

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

ERIC EARNST, ET AL.

Application No.: 10/687,860

Filed: October 17, 2003

For: **PATIENT POSITIONING ASSEMBLY  
FOR THERAPEUTIC RADIATION  
SYSTEM**

Art Group: 2882

Examiner: Song, Hoon K

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

10/19/2005 FHETEK11 00000010 10687860

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The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

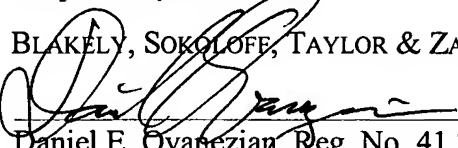
The fee set in the amount of \$180.00 for submission of the Information Disclosure Statement is enclosed herewith. Please charge any additional fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

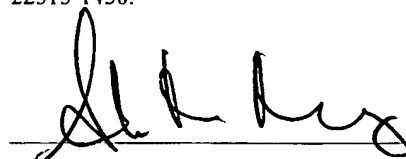
Date:

10/13/05

  
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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

Application Number	10/687,860
Filing Date	10/17/03
First Named Inventor:	Eric Earnst
Art Unit	2882
Examiner Name	Song, Hoon K
Attorney Docket Number	007291.P012

of 8

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
		US-	5,427,097	6/27/95	Depp	
		US-	6,501,981	12/31/02	Schweikard et al.	
		US-	6,484,332	11/26/02	Korver, II et al.	
		US-	5,983,424	11/16/99	Naslund	
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		US-	5,790,996	8/11/98	Narfstrom	
		US-	5,022,810	6/11/91	Sherrow et al.	
		US-	4,841,585	6/27/89	Masuzawa	
		US-	4,672,697	6/16/87	Schurch	
		US-	4,603,845	8/5/86	Schmedemann	
		US-	4,749,177	6/7/88	Schafer et al.	
		US-	4,872,657	10/10/89	Lussi	
		US-	5,299,334	4/5/94	Gonzalez	

## FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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<b>Sheet</b>	2	<b>of</b>	8	Attorney Docket Number	007291.P012

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		US-	5,345,632	9/13/94	Langenaeken et al.	
		US-	4,618,133	10/21/86	Siczek	
		US-	4,579,323	4/1/86	Brendl et al.	
		US-	4,697,802	10/6/87	Brendl et al.	
		US-	5,361,436	11/8/94	Hahn	
		US-	2,295,006	9/8/42	Philips	
		US-	3,262,133	7/26/66	Beitzel	
		US-	3,806,109	4/23/74	Weber et al.	
		US-	4,259,756	4/7/81	Pace	
		US-	3,997,926	12/21/76	England	
		US-	3,640,520	2/8/72	Wieland et al.	
		US-	3,069,543	12/18/62	Sazavsky	
		US-	2,787,506	4/2/57	Travisano	
		US-	5,499,415	3/19/96	McKenna	

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		Number-Kind Code <sup>2</sup> (if known)				
		US-	5,572,569	11/5/96	Benoit et al.	
		US-	5,825,843	10/20/98	Kobayashi	
		US-				
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<b>NON PATENT LITERATURE DOCUMENTS</b>					
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		Alejandro Mazal et al., "Robots in patient positioning for external radiotherapy", presentation, 46 <sup>th</sup> American Association of Physicists in Medicine Annual Meeting, Pittsburgh, July 2004.			
		"Adept Technology Announces Extension of SmartServo Architecture to SCARA Robots", Adept Technology, Inc., News Article, 9/18/02, 2 pages.			
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		"EC Series SCARA Robots", Seiko EC SCARA Robots, 2003, Epson America, Inc., 3 pages, downloaded 11/18/04, <a href="http://www.seikorobots.com/products/ecrbts.htm">http://www.seikorobots.com/products/ecrbts.htm</a> .			
		"EH Series SCARA Robots", Epson EH SCARA Robots, 2 pages, downloaded 11/18/04, <a href="http://www.robots.epson.com/products/ehrbts.htm">http://www.robots.epson.com/products/ehrbts.htm</a> .			
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		"Adept Cobra s600 Robot with CS or CX (90565-00x), Adept Technology, Inc., 11/5/04, 5 pages.			
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		"EPH4000" Motoman, Solutions in Motion, 2 pages, 2004 Motoman, Inc., 2/04.			
		"AdeptXL SCARA Robots", downloaded 11/30/04, <a href="http://www.adept.com/main/products/robots/AdeptXL.shtml">http://www.adept.com/main/products/robots/AdeptXL.shtml</a> , 1 page.			
		"AdeptThree XL SCARA Robot", 2000-2004, Adept Technology, Inc., downloaded 11/30/04, <a href="http://www.adept.com/main/products/robots/AdeptThree.shtml">http://www.adept.com/main/products/robots/AdeptThree.shtml</a> , 1 page.			

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Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		"Pro Six (6-Axis), Epson Pro Six 6-Axis Robots (also called Vertical Articulated robots), 3 pages, downloaded 11/30/04, <a href="http://www.robots.epson.com/products/prosixrbts.htm">http://www.robots.epson.com/products/prosixrbts.htm</a>			
		"E2H SCARA Robots", Epson E2H SCARA Robots, downloaded 11/30/04, <a href="http://www.robots.epson.com/products/e2hrbts.htm">http://www.robots.epson.com/products/e2hrbts.htm</a> , 3 pages.			
		"UP6" Payload: 6 kg, Motoman, Solutions in Motion, 2 pages., 2003 Motoman Inc., 10/03.			
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		"KR 30-3", Kuka Robot Group, downloaded 11/17/04, <a href="http://www.kuka.com/en/products/robots/medium/kr30_3/start.htm">http://www.kuka.com/en/products/robots/medium/kr30_3/start.htm</a> , 1 page.				
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		"KR 100 P (Series 2000), Kuka Robot Group, downloaded 11/17/04, <a href="http://www.kuka.com/en/products/robots/high/kr100_p_2000/start.htm">http://www.kuka.com/en/products/robots/high/kr100_p_2000/start.htm</a> , 1 page.				
		"KR 150 K (Series 2000), Kuka Robot Group, downloaded 11/17/04, <a href="http://www.kuka.com/en/products/robots/high/kr150_k_2000/start.htm">http://www.kuka.com/en/products/robots/high/kr150_k_2000/start.htm</a> , 1 page.				
		"KR 500 570 PA/1", Kuka Robot Group, downloaded 11/17/04, <a href="http://www.kuka.com/en/products/robots/heavy/kr500_570_pa/start.htm">http://www.kuka.com/en/products/robots/heavy/kr500_570_pa/start.htm</a> , 1 page.				
		"Linear Units", Kuka Robot Group, downloaded 11/30/04, <a href="http://www.kuka.com/cgi-bin/MsmGo.exe?grab_id=11&amp;page_id=9375232&amp;query=Linear+Units&amp;hiword=LINEAREN+LINEARLY+Linear+UNIT+UNITE+UNITED+Units+">http://www.kuka.com/cgi-bin/MsmGo.exe?grab_id=11&amp;page_id=9375232&amp;query=Linear+Units&amp;hiword=LINEAREN+LINEARLY+Linear+UNIT+UNITE+UNITED+Units+</a> , 1 page.				
		"KR 500 570 PA/1", Kuka Robot Group, downloaded 11/30/04, <a href="http://www.kuka.com/en/products/robots/heavy/kr500_570_pa/start.htm">http://www.kuka.com/en/products/robots/heavy/kr500_570_pa/start.htm</a> , 1 page.				
		"iThemba LABS Medical Radiation Group, New Treatment Station, Non-Orthogonal Beam Lines for Proton Therapy", Seite 1 von 2, downloaded 8/3/04, <a href="http://www.medrad.nac.ac.za/nptther.htm">http://www.medrad.nac.ac.za/nptther.htm</a> , 12 pages.				

Examiner Signature	Date Considered
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<b>Substitute for Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/687,860
				Filing Date	10/17/03
				First Named Inventor:	Eric Earnst
				Art Unit	2882
				Examiner Name	Song, Hoon K
Sheet	7	of	8	Attorney Docket Number	007291.P012
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		"KR 210-2 (Series 2000), Kuka Robots USA, downloaded 1/21/05, <a href="http://www.kuka.com/usa/en/products/robots/high/kr210_2_2000/start.htm">http://www.kuka.com/usa/en/products/robots/high/kr210_2_2000/start.htm</a> , 1 page.			
		"KR360/1, KR360 450 PA/1, KR 360 L150 P/1, KR 500/1, KR 500 570 PA/1, 3/1/05, cover sheet and pages 13-22, 33-58, 3/1/05.			
		"CyberKnife", Stereotactic Radiosurgery System using image-guided robotics, downloaded 11/16/04, <a href="http://www accuray.com/ck/deliv18.htm">http://www accuray.com/ck/deliv18.htm</a> , 3 pages.			
		E.A. de Kock et al., "Integrating an industrial robot and multi-camera computer vision systems into a patient positioning system for high-precision radiotherapy", Wednesday, 3/24/04, 6 pages, ISR 2004 Symposium, March 23-26, 2004.			
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		BrainLAB Radiotherapy Solutions, "A good idea perfected, ExacTRAC <sup>xray6D</sup> ", BrainLAB's unique X-Ray based targeting technology. Available as an upgrade to your existing Linac", 2003 BrainLAB AG.			
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